

COPY



23490 Connecticut Street  
Hayward, California 94545  
510.773-9137-510.782-8584 Fax

August 6, 2004

Mr. William J. Gaffney  
NAPA SANITATION DISTRICT  
935 Hartle Court  
Napa, CA 94559

**Re: June 2004 Compliance Monitoring Results for the Jefferson Car Wash Site Groundwater Extraction and Treatment System, 3080 Jefferson Street, Napa, California, Industrial User Permit No. 495950.**

Dear Mr. Gaffney:

This letter presents the results of June 2004 Compliance Monitoring for the Groundwater Extraction and Treatment System (System) at the Jefferson Car Wash site, 3080 Jefferson Street, Napa, California. Compliance monitoring and reporting have been conducted in accordance with the guidelines stipulated in the Industrial User Permit No. 495950. Presented herein are the results of the 3<sup>rd</sup> compliance monitoring event after System start-up, which occurred on March 29, 2004.

The compliance monitoring activities for this reporting period were performed by Decon Environmental Services, the operations and maintenance (O&M) contractor for the System, under the direction of Malcolm Pirnie on July 8, 2004. The monitoring activities included:

1. Sampling the System effluent.
2. Recording the total volume of raw water discharged from individual extraction wells (EW-2 and EW-3).
3. Recording the total volume of treated water discharged to sanitary sewer.

Per Permit requirements, effluent samples were analyzed for total petroleum hydrocarbons as diesel (TPH-D) by United States Environmental Protection Agency (USEPA) Method 8015M, TPH as gasoline (TPH-G), benzene, toluene, ethylene, total xylenes (BTEX), and methyl-tertiary-butyl ether (MTBE) by USEPA Method 8260B, and total lead by USEPA Method 200.7.

Mr. William J. Gaffney  
NAPA SANITATION DISTRICT

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Table 1 presents the analytical results for the System effluent and the System flow parameters. The analytical laboratory report is attached.

The analytical laboratory reported the concentrations of constituents of concern to be non-detect in the System effluent. The average daily discharge rate for this reporting period was estimated to be 4.8 gallons per minute (gpm), which was below the 8 gpm limit. A total of 263,260 gallons of treated water was discharged to the sanitary sewer during this reporting period.

Please contact Jason at (510) 732-6444 Ext. 17 or Todd Miller with Malcolm Pirnie at (510) 735-3014 to discuss any comments or questions.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that a qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Sincerely,

**DECON ENVIRONMENTAL SERVICES**



Jason Gulbransen  
Project Manager

Attachments: Table 1, Analytical Laboratory Report

c: George Altamura, Altamura Enterprises  
Joel Coffman, Napa County

Mr. William J. Gaffney  
NAPA SANITATION DISTRICT

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Todd Miller, Malcolm Pirnie  
File (4459-008)

P:\4459\008\GWTS Compliance Monitoring\June 2004 Compliance Monitoring Letter Report.doc

**Table 1: Compliance Monitoring Results, June 2004**  
**Interim Groundwater Extraction and Treatment System**  
**Jefferson Car Wash Site**  
*Industrial User Permit No: 495950*

Parameter	Units	USEPA Method	Date Collected	System Effluent	Permitted Reporting Limit <sup>1</sup>
<b>Volatile Organic Compounds</b>					
Methyl Tertiary-Butyl Ether	µg/L <sup>6</sup>	8260B	7/8/2004	< 1	1.0% LEL <sup>4</sup>
Benzene	µg/L	8260B	7/8/2004	< 0.5	1.0% LEL
Toluene	µg/L	8260B	7/8/2004	< 0.5	1.0% LEL
Ethylbenzene	µg/L	8260B	7/8/2004	< 0.5	1.0% LEL
Xylenes, Total	µg/L	8260B	7/8/2004	< 1	1.0% LEL
TPH as Gasoline	µg/L	8260B	7/8/2004	< 25	-- <sup>5</sup>
TPH as Diesel	µg/L	8015M	7/8/2004	< 50	--
Total Lead	mg/L <sup>7</sup>	200.7	7/8/2004	< 0.015	0.14
<b>Operational</b>					
Total Volume Discharged to Sanitary Sewer <sup>2</sup>	gallons	--	7/8/2004	263,260	--
Daily Average System Flow Rate <sup>3</sup>	gpm <sup>8</sup>	--	7/8/2004	4.8	8

**Notes:**

<sup>1</sup> As stated in Industrial User Permit, No: 495950, issued for the System on 03/02/2004.

<sup>2</sup> The sum of volumes extracted from individual wells, EW-2 and EW-3, for this period as recorded by the flow totalizer at the respective well-head.

i.e., { Sum of Flow Totalizer Volume at EW-2 and EW-3 for this period } -  
{ Sum of Flow Totalizer Volume at EW-2 and EW-3 for the previous period }

<sup>3</sup> Calculated as the Total Volume Discharged to Sanitary Sewer divided by the number of days the system was in operation during the reporting period (38 days for this period).

<sup>4</sup> Lower explosive limit.

<sup>5</sup> No reporting limit stated or not applicable.

<sup>6</sup> Micrograms per liter.

<sup>7</sup> Milligrams per liter.

<sup>8</sup> Gallons per minute.

# Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Jason Gulbransen

Decon Environmental Services, Inc.

23490 Connecticut Street

Hayward, CA 94545

Certificate ID: 39589 - 7/21/2004 1:44:51 PM

Order: 39589

Date Collected: 7/8/2004

Project Name: Jefferson Carwash

Date Received: 7/8/2004

Project Number: 4470

P.O. Number: 4470

## Certificate of Analysis - Final Report

On July 08, 2004, sample was received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>	<u>Comments</u>
Liquid	8260Petroleum	EPA 8260B	8260Petroleum=Btex+MTBE ONLY .No Ethanol
	Lead	EPA 200.7	
	PDF	PDF	
	TPH as Gasoline - GC/MS	GC-MS	Gas by GCMS
	TPH-Extractable	EPA 8015 MOD. (Extractable)	Report Diesel ONLY

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).  
If you have any questions regarding this report, please call me at 408-588-0200.

Sincerely,



Laurie Glantz-Murphy  
Laboratory Director

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Decon Environmental Services, Inc.  
23490 Connecticut Street  
Hayward, CA 94545  
Attn: Jason Gulbransen

Date: 7/21/2004  
Date Received: 7/8/2004  
Project Name: Jefferson Carwash  
Project Number: 4470  
P.O. Number: 4470  
Sampled By: Client

## Certified Analytical Report

Lab #: 39589-001      Sample ID:      Discharge Point      Matrix: Liquid      Sample Date: 7/8/2004      7:40 AM

Method: EPA 200.7 / EPA 3010B / Acid Digestion for ICP for 6010B

Parameter	Result	Flag	DF	PQL	PQLR	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	ND		1	0.015	0.015	mg/L	07/13/2004	WM040713	07/15/2014	WICP2040715

Analyzed by: DQueja - 07/15/2014

Reviewed by: PSANDROCK - 07/15/04

Method: EPA 8015 MOD. (Extractable) / EPA 3510C / Sep. funnel liquid/liquid extraction

Parameter	Result	Flag	DF	PQL	PQLR	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	50	50	µg/L	07/08/2004	DW4776A	07/09/2004	DW4776A

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	90.0	16 - 137

Analyzed by: JZaininger - 07/09/2004

Reviewed by: MTU - 07/12/04

Method: EPA 8260B / EPA 5030B / Purge-and-trap

Parameter	Result	Flag	DF	PQL	PQLR	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.5	0.5	µg/L	N/A	N/A	07/13/2004	WMS1040713
Toluene	ND		1	0.5	0.5	µg/L	N/A	N/A	07/13/2004	WMS1040713
Ethyl Benzene	ND		1	0.5	0.5	µg/L	N/A	N/A	07/13/2004	WMS1040713
Xylenes, Total	ND		1	1	1	µg/L	N/A	N/A	07/13/2004	WMS1040713
Methyl-t-butyl Ether	ND		1	1	1	µg/L	N/A	N/A	07/13/2004	WMS1040713

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100.2	64 - 125
Dibromofluoromethane	108.1	23 - 172
Toluene-d8	98.8	70 - 134

Analyzed by: MTu - 07/13/2004

Reviewed by: BDHABALIA - 07/16/04

Method: GC-MS

Parameter	Result	Flag	DF	PQL	PQLR	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	25	µg/L	N/A	N/A	07/13/2004	WMS1040713

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	118.2	64 - 125
Dibromofluoromethane	101.7	23 - 172
Toluene-d8	106.1	70 - 134

Analyzed by: MTu - 07/13/2004

Reviewed by: BDHABALIA - 07/16/04

# Entech Analytical Labs, Inc.

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## Quality Control - Method Blank

Prep Batch ID: WM040713

Validated by: PSANDROCK - 07/19/04

QC Batch ID: WICP2040715

Prep Date: 7/13/2004

Matrix: Liquid

Date of Analysis: 7/15/2004

Method: EPA 200.7

Parameter	Result	DF	PQL	PQLR	Units
Lead	ND	1	0.015	0.015	mg/L

## Quality Control - Laboratory Control Spike / Duplicate Results

Prep Batch ID: WM040713

Reviewed by: PSANDROCK - 07/19/04

QC Batch ID: WICP2040715

Prep Date: 7/13/2004

Date of Analysis: 7/15/2004

Method EPA 200.7

Liquid

Conc. Units: mg/L

Parameter	Blank	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Lead	<0.015	0.5	0.5394	LCS	7/15/2004	107.9			90 - 126
Lead	<0.015	0.5	0.538	LCSD	7/15/2004	107.6	0.3	25	90 - 126

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

## Quality Control - Method Blank

Prep Batch ID: DW4776A

Validated by: MTU - 07/12/04

QC Batch ID: DW4776A

Prep Date: 7/8/2004

Matrix: Liquid

Date of Analysis: 7/9/2004

### Method: EPA 8015 MOD. (Extractable)

Parameter	Result	DF	PQL	PQLR	Units
TPH as Diesel	ND	1	50	50	µg/L

Surrogate for Blank	% Recovery	Control Limits
o-Terphenyl	76.0	16 - 137

## Quality Control - Laboratory Control Spike / Duplicate Results

Prep Batch ID: DW4776A

Reviewed by: MTU - 07/12/04

QC Batch ID: DW4776A

Prep Date: 7/8/2004

Date of Analysis: 7/9/2004

### Method EPA 8015 MOD. (Extractable)

#### Liquid

Conc. Units: µg/L

Parameter	Blank	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000.0	960.	LCS	7/9/2004	96.0			38 - 135
TPH as Motor Oil	<250	500.0	560.	LCS	7/9/2004	112.0			38 - 135

Surrogate	% Recovery	Control Limits
o-Terphenyl	110.0	16 - 137

TPH as Diesel	<50	1000.0	840.	LCSD	7/9/2004	84.0	13.3	25	38 - 135
TPH as Motor Oil	<250	500.0	540.	LCSD	7/9/2004	108.0	3.6	25	38 - 135

Surrogate	% Recovery	Control Limits
o-Terphenyl	99.0	16 - 137



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

## Quality Control - Method Blank

QC Batch ID: WMS1040713

Validated by: BDHABALIA - 07/16/04

Matrix: Liquid

Date of Analysis: 7/13/2004

### Method: EPA 8260B

Parameter	Result	DF	PQL	PQLR	Units
Benzene	ND	1	0.5	0.5	µg/L
Ethyl Benzene	ND	1	0.5	0.5	µg/L
Methyl-t-butyl Ether	ND	1	1	1	µg/L
Toluene	ND	1	0.5	0.5	µg/L
Xylene, m+p	ND	1	1	1	µg/L
Xylene, o	ND	1	0.5	0.5	µg/L
Xylenes, Total	ND	1	1	1	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	100.1	64 - 125
Dibromofluoromethane	104.3	23 - 172
Toluene-d8	99.9	70 - 134

## Quality Control - Laboratory Control Spike / Duplicate Results

Reviewed by: BDHABALIA - 07/16/04

QC Batch ID: WMS1040713

Date of Analysis: 7/13/2004

### Method EPA 8260B

#### Liquid

Conc. Units: µg/L

Parameter	Blank	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.5	20.0	18.1	LCS	7/13/2004	90.5			60 - 132
Benzene	<0.5	20.0	21.3	LCS	7/13/2004	106.5			77 - 154
Chlorobenzene	<0.5	20.0	19.7	LCS	7/13/2004	98.5			66 - 141
Methyl-t-butyl Ether	<1	20.0	21.5	LCS	7/13/2004	107.5			58 - 127
Toluene	<0.5	20.0	18.7	LCS	7/13/2004	93.5			47 - 137
Trichloroethene	<0.5	20.0	19.6	LCS	7/13/2004	98.0			57 - 159

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	98.1	64 - 125
Dibromofluoromethane	103.6	23 - 172
Toluene-d8	95.2	70 - 134

1,1-Dichloroethene	<0.5	20.0	17.3	LCSD	7/13/2004	86.5	4.5	25	60 - 132
Benzene	<0.5	20.0	20.4	LCSD	7/13/2004	102.0	4.3	25	77 - 154
Chlorobenzene	<0.5	20.0	19.	LCSD	7/13/2004	95.0	3.6	25	66 - 141
Methyl-t-butyl Ether	<1	20.0	20.7	LCSD	7/13/2004	103.5	3.8	25	58 - 127
Toluene	<0.5	20.0	18.2	LCSD	7/13/2004	91.0	2.7	25	47 - 137
Trichloroethene	<0.5	20.0	18.8	LCSD	7/13/2004	94.0	4.2	25	57 - 159

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	96.4	64 - 125
Dibromofluoromethane	102.8	23 - 172
Toluene-d8	95.2	70 - 134

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

## Quality Control - Method Blank

QC Batch ID: WMS1040713

Validated by: BDHABALIA - 07/16/04

Matrix: Liquid

Date of Analysis: 7/13/2004

### Method: GC-MS

Parameter	Result	DF	PQL	PQLR	Units
TPH as Gasoline	ND	1	25	25	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	117.5	64 - 125
Dibromofluoromethane	98.7	23 - 172
Toluene-d8	105.9	70 - 134

## Quality Control - Laboratory Control Spike / Duplicate Results

Reviewed by: BDHABALIA - 07/16/04

QC Batch ID: WMS1040713

Date of Analysis: 7/13/2004

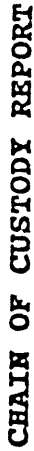
### Method GC-MS

Parameter	Blank	Spike Amt	SpikeResult	Liquid	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	125.0	122.2		LCS	7/13/2004	97.8			65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	116.3	64 - 125
Dibromofluoromethane	98.3	23 - 172
Toluene-d8	105.6	70 - 134

TPH as Gasoline	<25	250.0	125.8	LCSD	7/13/2004	100.6	2.9	25	65 - 135
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Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	117.5	64 - 125
Dibromofluoromethane	98.7	23 - 172
Toluene-d8	105.9	70 - 134



# ENTECH

G = Grab C = Composite W = Wipe